

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| L1 | 32 | (spatial adj memory) & (graphical same interface) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 09:29 |
| L2 | 17 | 1 & server | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 09:12 |
| L3 | 2 | ("6088032").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/23 09:12 |
| L4 | 4 | (spatial same memory) & (graphical same interface) & (sever same object\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:42 |
| L5 | 56 | (spatial adj object\$1) same server | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 09:31 |
| L6 | 26 | 5 & (graphical same interface) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 09:29 |
| L7 | 4 | ("5848373" "5978567" "6144375" "6151610").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/23 09:34 |
| L8 | 1 | ("6401102").URPN. | USPAT | OR | ON | 2006/05/23 09:40 |
| L9 | 1 | virtual same geographic same "spatial object" | USPAT | OR | ON | 2006/05/23 09:41 |
| L10 | 8 | virtual same "spatial object" | USPAT | OR | ON | 2006/05/23 09:45 |
| L11 | 33 | virtual & "spatial object" | USPAT | OR | ON | 2006/05/23 09:57 |
| L12 | 0 | (virtual same object) same inreface same server | USPAT | OR | ON | 2006/05/23 09:47 |

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|-----|-------|--|---|----|-----|------------------|
| L13 | 394 | (virtual same object) same interface same server | USPAT | OR | ON | 2006/05/23 09:57 |
| L14 | 0 | 13 & "spatial object" | USPAT | OR | ON | 2006/05/23 09:47 |
| L15 | 55 | 13 & spatial | USPAT | OR | ON | 2006/05/23 09:48 |
| L16 | 34 | 15 & ((definition correlation) same server) | USPAT | OR | ON | 2006/05/23 09:48 |
| L17 | 381 | (virtual same object) same (graphical same interface) | USPAT | OR | ON | 2006/05/23 09:57 |
| L18 | 0 | 17 & "spatial object" | USPAT | OR | ON | 2006/05/23 10:16 |
| L19 | 122 | "spatial object" | USPAT | OR | ON | 2006/05/23 09:57 |
| L20 | 18 | 19 & (virtual same object) | USPAT | OR | ON | 2006/05/23 09:58 |
| L21 | 4 | ("5848373" "5978567" "6144375" "6151610").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/23 10:15 |
| L22 | 2 | ("6144375").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/23 10:13 |
| L23 | 15857 | virtual same map\$4 | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/23 10:16 |
| L24 | 10 | 23 & "spatial object" | USPAT | OR | ON | 2006/05/23 10:17 |
| L25 | 2 | (virtual same geographic) & "spatial object" | USPAT | OR | ON | 2006/05/23 10:19 |
| L26 | 100 | (virtual same geographic) & (object\$1 same server) | USPAT | OR | ON | 2006/05/23 10:19 |
| L27 | 36 | (virtual same geographic) & (virtual same object\$1 same server) | USPAT | OR | ON | 2006/05/23 10:19 |
| L28 | 21 | 27 & (definition correlation) | USPAT | OR | ON | 2006/05/23 10:23 |
| L29 | 21 | 28 & server | USPAT | OR | ON | 2006/05/23 10:24 |
| L30 | 19 | 28 & (display same server) | USPAT | OR | ON | 2006/05/23 10:24 |
| L31 | 0 | ("5555354585719961792396577714").pn. | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:26 |
| L32 | 0 | ("555535 458571 996179 23965 77714").pn. | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:26 |
| L33 | 1 | "5555354".pn. | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:26 |
| L34 | 3 | ("62599451" "5857199" "6173239" "6577714").pn. | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:26 |

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|-----|-------|--|------------------------------|----|-----|------------------|
| L35 | 1 | "6259451".pn. | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:26 |
| L36 | 2969 | (345/419,427).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/23 11:26 |
| L37 | 1 | ("5528735").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/23 11:26 |
| L38 | 0 | "spatial data lelationship" | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:26 |
| L39 | 40338 | spatial same data | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:26 |
| L40 | 4381 | spatial same data same relation\$4 | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:26 |
| L41 | 2 | "spatial data relationship" | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:26 |
| L42 | 9 | "Kothuri; Ravi" | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:26 |
| L43 | 0 | L42 & "spatial data lelationship" | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:26 |
| L44 | 9 | L42 & L39 | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:26 |
| L45 | 9 | L44 & server | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:26 |
| L46 | 3 | L44 & (server same (user client)) | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:26 |
| L47 | 3 | L46 & (relat\$3 same data) | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:26 |
| L48 | 0 | L46 & ((tructur\$3 herarchical) same object) | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:26 |
| L49 | 0 | L46 & ((structur\$3 herarchical) same object) | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:26 |
| L50 | 3 | L46 & (structur\$3 herarchical) | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:26 |
| L51 | 3 | L50 & object | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:26 |
| L52 | 3 | L51 & (spatial same relation\$) | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:26 |
| L53 | 0 | L51 & property | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:26 |
| L54 | 0 | L52 & property | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:26 |
| L55 | 0 | L52 & mouse | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:26 |

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|-----|------|--|---|----|----|------------------|
| L56 | 3 | L52 & point\$3 | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:26 |
| L57 | 10 | (US-5467444-\$ or US-5528735-\$ or US-5555354-\$ or US-5721691-\$ or US-5857199-\$ or US-6173239-\$ or US-6259451-\$ or US-6381605-\$ or US-6470344-\$ or US-6577714-\$).did. | USPAT | OR | ON | 2006/05/23 11:26 |
| L58 | 0 | L57 & (object\$1 same propert\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:26 |
| L59 | 7401 | (object\$1 same propert\$3) & (server\$1 same client\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:26 |
| L60 | 0 | L58 & L59 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:26 |
| L61 | 0 | L57 & L59 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:26 |
| L62 | 0 | L57 & propert\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:26 |
| L63 | 4381 | spatial same data same relation\$4 | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:26 |
| L64 | 518 | L63 & (object\$1 same propert\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:26 |
| L65 | 166 | L59 & L64 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:26 |

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|-----|------|--------------------------------|---|----|----|------------------|
| L66 | 0 | L65 & malloy | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:26 |
| L67 | 7598 | malloy | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:26 |
| L68 | 0 | L65 & L67 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:26 |
| L69 | 0 | L65 & "server object property" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:26 |
| L70 | 0 | L63 & "server object property" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:26 |
| L71 | 1 | "server object property" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:26 |
| L72 | 0 | L65 & (hierachical same data) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:26 |
| L73 | 49 | L65 & (hierarchical same data) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:26 |
| L74 | 49 | L73 & (server same client) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:26 |
| L75 | 49 | L74 & relat\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:26 |

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|-----|-------|---|---|----|-----|------------------|
| L76 | 48 | L74 & relationship | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:26 |
| L77 | 25 | L76 & (generat\$3 same relationship) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:26 |
| L78 | 0 | ("5555354585719961792396577714").pn. | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:26 |
| L79 | 0 | ("555535 458571 996179 2396577714").pn. | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L80 | 2969 | (345/419,427).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/23 11:27 |
| L81 | 0 | "spatial data lelationship" | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L82 | 40338 | spatial same data | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L83 | 4381 | spatial same data same relation\$4 | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L84 | 9 | "Kothuri; Ravi" | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L85 | 0 | L84 & "spatial data lelationship" | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L86 | 9 | L84 & L82 | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L87 | 9 | L86 & server | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L88 | 3 | L86 & (server same (user client)) | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L89 | 3 | L88 & (relat\$3 same data) | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L90 | 0 | L88 & ((tructur\$3 herarchical) same object) | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L91 | 0 | L88 & ((structur\$3 herarchical) same object) | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L92 | 3 | L88 & (structur\$3 herarchical) | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L93 | 3 | L92 & object | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L94 | 0 | L93 & property | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |

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|------|------|--|---|----|----|------------------|
| L95 | 3 | L93 & (spatial same relation\$) | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L96 | 0 | L95 & property | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L97 | 0 | L95 & mouse | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L98 | 10 | (US-5467444-\$ or US-5528735-\$ or US-5555354-\$ or US-5721691-\$ or US-5857199-\$ or US-6173239-\$ or US-6259451-\$ or US-6381605-\$ or US-6470344-\$ or US-6577714-\$).did. | USPAT | OR | ON | 2006/05/23 11:27 |
| L99 | 0 | L98 & (object\$1 same propert\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:27 |
| L100 | 7401 | (object\$1 same propert\$3) & (server\$1 same client\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:27 |
| L101 | 0 | L99 & L100 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:27 |
| L102 | 0 | L98 & L100 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:27 |
| L103 | 0 | L98 & propert\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:27 |
| L104 | 4381 | spatial same data same relation\$4 | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L105 | 518 | L104 & (object\$1 same propert\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:27 |
| L106 | 166 | L100 & L105 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:27 |

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|------|------|---------------------------------|---|----|----|------------------|
| L107 | 0 | L106 & malloy | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:27 |
| L108 | 7598 | malloy | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:27 |
| L109 | 0 | L106 & L108 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:27 |
| L110 | 0 | L106 & "server object property" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:27 |
| L111 | 0 | L104 & "server object property" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:27 |
| L112 | 0 | L106 & (hierachical same data) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:27 |
| L113 | 49 | L106 & (hierarchical same data) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:27 |
| L114 | 49 | L113 & (server same client) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:27 |
| L115 | 49 | L114 & relat\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:27 |
| L116 | 48 | L114 & relationship | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:27 |

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|------|----|--|---|----|-----|------------------|
| L117 | 1 | "5555354".pn. | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L118 | 1 | "6259451".pn. | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L119 | 1 | ("5528735").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/23 11:27 |
| L120 | 1 | "server object property" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:27 |
| L121 | 3 | ("62599451" "5857199" "6173239" "6577714").pn. | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L122 | 2 | "spatial data relationship" | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L123 | 9 | "Kothuri; Ravi" | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L124 | 3 | L86 & (server same (user client)) | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L125 | 3 | L92 & object | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L126 | 3 | L93 & (spatial same relation\$) | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L127 | 3 | L95 & point\$3 | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L128 | 10 | (US-5467444-\$ or US-5528735-\$ or US-5555354-\$ or US-5721691-\$ or US-5857199-\$ or US-6173239-\$ or US-6259451-\$ or US-6381605-\$ or US-6470344-\$ or US-6577714-\$).did. | USPAT | OR | ON | 2006/05/23 11:27 |
| L129 | 49 | L106 & (hierarchical same data) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:27 |
| L130 | 25 | L116 & (generat\$3 same relationship) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:27 |
| L131 | 25 | L116 & (generat\$3 same relationship) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:27 |

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|------|------|--|---|----|----|------------------|
| L132 | 19 | L131 & (graphical near3 interface) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:27 |
| L133 | 19 | L132 & (tree hierarchical relat\$5 parent child\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:27 |
| L134 | 576 | L104 & (graphical near3 interface) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:27 |
| L135 | 447 | L134 & (tree hierarchical relat\$5 parent child\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:27 |
| L136 | 447 | L135 & (spatial same relation\$) | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L137 | 269 | L136 & (generat\$3 same relationship) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:27 |
| L138 | 7226 | malloy | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L139 | 452 | malloy.inv. | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L140 | 0 | L134 & L139 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:27 |
| L141 | 0 | L139 & (spatial same relation\$) | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L142 | 447 | L136 & (spatial same relation\$) | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L143 | 447 | L142 & (tree hierarchical relat\$5 parent child\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:27 |
| L144 | 231 | L143 & (server same (user client)) | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |

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|------|-------|---|---|----|-----|------------------|
| L145 | 34029 | 61& (spatial same relation\$) | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L146 | 231 | L144 & (spatial same relation\$) | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L147 | 2 | L145 & "spatial data relationship" | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L148 | 16 | (US-5467444-\$ or US-5528735-\$ or US-5555354-\$ or US-5721691-\$ or US-5857199-\$ or US-6111582-\$ or US-6173239-\$ or US-6259451-\$ or US-6381605-\$ or US-6470344-\$ or US-6564263-\$ or US-6577714-\$ or US-5408603-\$ or US-5467441-\$ or US-5533183-\$ or US-6687404-\$).did. | USPAT | OR | ON | 2006/05/23 11:27 |
| L149 | 18 | L132 & (server near3 client) | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L150 | 18 | L132 & (server with client) | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L151 | 6 | L148 & (server with client) | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L152 | 6 | L148 & (server near3 client) | US-PGPUB; USPAT | OR | ON | 2006/05/23 11:27 |
| L153 | 1 | ("6381605").PN. | US-PGPUB; USPAT | OR | OFF | 2006/05/23 11:27 |
| L154 | 536 | vgis | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:40 |
| L155 | 0 | 1 & 154 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:40 |
| L156 | 0 | 150 & 154 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:40 |

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|------|-----|---|---|----|----|------------------|
| L157 | 114 | ((virtual same geographic same information same system) "VGIS") same object\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:41 |
| L158 | 0 | 157 & (spatial same memory) & (graphical same interface) & (sever same object\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:42 |
| L159 | 10 | 157 & (graphical same interface) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:42 |

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1 Research papers: continuous queries: Conceptual partitioning: an efficient method for



continuous nearest neighbor monitoring

Kyriakos Mouratidis, Dimitris Papadias, Marios Hadjieleftheriou

 June 2005 **Proceedings of the 2005 ACM SIGMOD international conference on Management of data**

Publisher: ACM Press

 Full text available: pdf(516.00 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Given a set of objects P and a query point q , a k nearest neighbor (k -NN) query retrieves the k objects in P that lie closest to q . Even though the problem is well-studied for static datasets, the traditional methods do not extend to highly dynamic environments where multiple continuous queries require real-time results, and both objects and queries receive frequent location updates. In this paper we propose *conceptual partitioning* (CPM), a ...

2 Compilers I: Compiler support for efficient processing of XML datasets



Xiaogang Li, Renato Ferreira, Gagan Agrawal

 June 2003 **Proceedings of the 17th annual international conference on Supercomputing**

Publisher: ACM Press

 Full text available: pdf(189.03 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Declarative, high-level, and/or application-class specific languages are often successful in easing application development. In this paper, we report our experiences in compiling a recently developed XML Query Language, XQuery for applications that process scientific datasets. Though scientific data processing applications can be conveniently represented in XQuery, compiling them to achieve efficient execution involves a number of challenges. These are, 1) analysis of recursive functions to ident ...

Keywords: XML, XQuery, data intensive computing, restructuring compilers

3 Reflective controls for intelligent distributed objects



En-Hsin Huang, Tzilla Elrad

 March 2001 **Proceedings of the 2001 ACM symposium on Applied computing**

Publisher: ACM Press

 Full text available: pdf(42.50 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: autonomous, distributed objects, intelligence, reflective controls

4 Indexing field values in field oriented systems: interval Quadtree



Myoung-Ah Kang, Sylvie Servigne, Ki-Joune Li, Robert Laurini

November 1999 **Proceedings of the eighth international conference on Information and knowledge management**

Publisher: ACM Press

Full text available:  [pdf\(846.29 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

With the extension of spatial database applications, field oriented systems emerge as an important research issue in order to deal with continuous natural phenomena during the last years. It however has a large volume of data and efficient indexing methods for field data are necessary to overcome the performance obstacle. In special, we introduce indexing methods for field value queries (i.e. searching some regions where the temperature is more 20 degrees). We introduce the concept of

Keywords: field oriented systems, field values, indexing method, subfield

5 Integrating OO road network database, cases and knowledge for route finding



Muhammad Abaidullah Anwar, Takaichi Yoshida

March 2001 **Proceedings of the 2001 ACM symposium on Applied computing**

Publisher: ACM Press

Full text available:  [pdf\(84.39 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: must_be_passed link, Dijkstra's algorithm, case-based reasoning, knowledge-based techniques, road sub-network


6 Pretenuring for Java



Stephen M. Blackburn, Sharad Singhai, Matthew Hertz, Kathryn S. McKinely, J. Eliot B. Moss

October 2001 **ACM SIGPLAN Notices , Proceedings of the 16th ACM SIGPLAN conference on Object oriented programming, systems, languages, and applications OOPSLA '01**, Volume 36 Issue 11

Publisher: ACM Press

Full text available:  [pdf\(389.44 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Pretenuring can reduce copying costs in garbage collectors by allocating long-lived objects into regions that the garbage collector with rarely, if ever, collect. We extend previous work on pretenuring as follows. (1) We produce pretenuring advice that is neutral with respect to the garbage collector algorithm and configuration. We thus can and do combine advice from different applications. We find that predictions using object lifetimes at each allocation site in Java programs are accurate, whi ...

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